

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
19 May 2005 (19.05.2005)

PCT

(10) International Publication Number
WO 2005/045438 A2

(51) International Patent Classification⁷: **G01N 33/579**,
C12Q 1/68

SCHOCH, Claudia [DE/DE]; Springerstrasse 8, 81477
Muenchen (DE).

(21) International Application Number:
PCT/EP2004/012461

(74) Common Representative: **ROCHE DIAGNOSTICS
GMBH**; c/o Burger, Alexander, Patent Department
(TR-E), Postfach 11 52, 82372 Penzberg (DE).

(22) International Filing Date:
4 November 2004 (04.11.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
03025345.4 4 November 2003 (04.11.2003) EP

(71) Applicant (for DE only): **ROCHE DIAGNOSTICS
GMBH** [DE/DE]; Sandhofer Strasse 116, 68305
Mannheim (DE).

(71) Applicant (for all designated States except DE, US): **F.
HOFFMANN-LA ROCHE AG** [CH/CH]; 124 Grenzach-
erstrasse, CH-4070 Basel (CH).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **HAFER-
LACH, Torsten** [DE/DE]; Springerstrasse 8, 81477
Muenchen (DE). **DUGAS, Martin** [DE/DE]; Michael-Fis-
cher-Platz 6, 94469 Deggendorf (DE). **KERN, Wolfgang**
[DE/DE]; Hanfelder Strasse 101, 82319 Starnberg (DE).
KOHLMANN, Alexander [DE/DE]; Schwarzstrasse
14, 92318 Neumarkt (DE). **SCHNITTGER, Susanne**
[DE/DE]; Saalburgstrasse 2a, 81375 Muenchen (DE).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE,
SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished
upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: METHOD FOR DISTINGUISHING AML SUBTYPE INV(3)(q21q26)/t(3;3)(q21q26) FROM OTHER AML SUB-
TYPES

(57) Abstract: Disclosed is a method for distinguishing AML subtype AML_inv(3) from other AML subtypes in a sample by de-
termining the expression level of markers, as well as a diagnostic kit and an apparatus containing the markers.



WO 2005/045438 A2